

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/510,667  
Source: P4/10  
Date Processed by STIC: 8/22/05

# *ENTERED*



PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,667

DATE: 08/22/2005

TIME: 14:12:33

Input Set : E:\ISIS5582.ST25.txt

Output Set: N:\CRF4\08222005\J510667.raw

```

3 <110> APPLICANT: Ravikumar, Vasulinga
4   Prakash, Thazha P.
5   Bhat, Balkrishen
7 <120> TITLE OF INVENTION: OLIGOMERIC COMPOUNDS HAVING MODIFIED PHOSPHATE GROUPS
9 <130> FILE REFERENCE: ISIS-5582
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/510,667
C--> 11 <141> CURRENT FILING DATE: 2004-10-07
11 <150> PRIOR APPLICATION NUMBER: PCT/US03/10840
12 <151> PRIOR FILING DATE: 2003-04-09
14 <150> PRIOR APPLICATION NUMBER: US 10/119,432
15 <151> PRIOR FILING DATE: 2002-04-09
17 <160> NUMBER OF SEQ ID NOS: 66
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 20
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24 <213> ORGANISM: Artificial
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27 <223> OTHER INFORMATION: Synthetic Construct
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38 <220> FEATURE:
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53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Synthetic Construct
59 <400> SEQUENCE: 3
60 cgggttcgac cgtaggcagt                                20
63 <210> SEQ ID NO: 4
64 <211> LENGTH: 20

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Input Set : E:\ISIS5582.ST25.txt

Output Set: N:\CRF4\08222005\J510667.raw

65 <212> TYPE: RNA  
66 <213> ORGANISM: Artificial  
68 <220> FEATURE:  
69 <223> OTHER INFORMATION: Oligonucleotide  
72 <220> FEATURE:  
73 <221> NAME/KEY: misc\_feature /  
74 <222> LOCATION: (1)..(3)  
75 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
77 <220> FEATURE:  
78 <221> NAME/KEY: misc\_feature  
79 <222> LOCATION: (1)..(20)  
80 <223> OTHER INFORMATION: PO  
82 <220> FEATURE:  
83 <221> NAME/KEY: misc\_feature  
84 <222> LOCATION: (4)..(4)  
85 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroguanosine  
87 <220> FEATURE:  
88 <221> NAME/KEY: misc\_feature  
89 <222> LOCATION: (5)..(5)  
90 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
92 <220> FEATURE:  
93 <221> NAME/KEY: misc\_feature  
94 <222> LOCATION: (6)..(6)  
95 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorocytidine  
97 <220> FEATURE:  
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100 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
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105 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorocytidine  
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108 <221> NAME/KEY: misc\_feature  
109 <222> LOCATION: (9)..(9)  
110 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
112 <220> FEATURE:  
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114 <222> LOCATION: (10)..(11)  
115 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroguanosine  
117 <220> FEATURE:  
118 <221> NAME/KEY: misc\_feature  
119 <222> LOCATION: (12)..(12)  
120 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
122 <220> FEATURE:  
123 <221> NAME/KEY: misc\_feature  
124 <222> LOCATION: (13)..(14)  
125 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorocytidine  
127 <220> FEATURE:

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Input Set : E:\ISIS5582.ST25.txt

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128 <221> NAME/KEY: misc\_feature  
129 <222> LOCATION: (15)..(16)  
130 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
132 <220> FEATURE:  
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135 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroadenosine  
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138 <221> NAME/KEY: misc\_feature  
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144 <222> LOCATION: (19)..(20)  
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147 <400> SEQUENCE: 4  
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154 <213> ORGANISM: Artificial  
156 <220> FEATURE:  
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162 <222> LOCATION: (1)..(3)  
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165 <220> FEATURE:  
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167 <222> LOCATION: (1)..(20)  
168 <223> OTHER INFORMATION: PO  
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171 <221> NAME/KEY: misc\_feature  
172 <222> LOCATION: (4)..(4)  
173 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorocytidine  
175 <220> FEATURE:  
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177 <222> LOCATION: (5)..(5)  
178 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroadenosine  
180 <220> FEATURE:  
181 <221> NAME/KEY: misc\_feature  
182 <222> LOCATION: (6)..(6)  
183 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroguanosine  
185 <220> FEATURE:  
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188 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroadenosine  
190 <220> FEATURE:  
191 <221> NAME/KEY: misc\_feature

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Input Set : E:\ISIS5582.ST25.txt

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192 <222> LOCATION: (8)..(8)  
193 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroguanosine  
195 <220> FEATURE:  
196 <221> NAME/KEY: misc\_feature  
197 <222> LOCATION: (9)..(9)  
198 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroadenosine  
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201 <221> NAME/KEY: misc\_feature  
202 <222> LOCATION: (10)..(11)  
203 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorocytidine  
205 <220> FEATURE:  
206 <221> NAME/KEY: misc\_feature  
207 <222> LOCATION: (12)..(12)  
208 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroadenosine  
210 <220> FEATURE:  
211 <221> NAME/KEY: misc\_feature  
212 <222> LOCATION: (13)..(14)  
213 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroguanosine  
215 <220> FEATURE:  
216 <221> NAME/KEY: misc\_feature  
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218 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroadenosine  
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222 <222> LOCATION: (17)..(17)  
223 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
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232 <222> LOCATION: (19)..(20)  
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235 <400> SEQUENCE: 5  
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239 <210> SEQ ID NO: 6  
240 <211> LENGTH: 20  
241 <212> TYPE: RNA  
242 <213> ORGANISM: Artificial  
244 <220> FEATURE:  
245 <223> OTHER INFORMATION: Oligonucleotide  
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249 <221> NAME/KEY: misc\_feature  
250 <222> LOCATION: (1)..(3)  
251 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
253 <220> FEATURE:  
254 <221> NAME/KEY: misc\_feature  
255 <222> LOCATION: (1)..(20)

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## RAW SEQUENCE LISTING

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TIME: 14:12:34

Input Set : E:\ISIS5582.ST25.txt

Output Set: N:\CRF4\08222005\J510667.raw

256 <223> OTHER INFORMATION: PS  
258 <220> FEATURE:  
259 <221> NAME/KEY: misc\_feature  
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261 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroguanosine  
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264 <221> NAME/KEY: misc\_feature  
265 <222> LOCATION: (5)..(5)  
266 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
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271 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorocytidine  
273 <220> FEATURE:  
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276 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
278 <220> FEATURE:  
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281 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorocytidine  
283 <220> FEATURE:  
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285 <222> LOCATION: (9)..(9)  
286 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
288 <220> FEATURE:  
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296 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorouridine  
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301 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorocytidine  
303 <220> FEATURE:  
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308 <220> FEATURE:  
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311 <223> OTHER INFORMATION: 2'-deoxy-2'-fluoroadenosine  
313 <220> FEATURE:  
314 <221> NAME/KEY: misc\_feature  
315 <222> LOCATION: (18)..(18)  
316 <223> OTHER INFORMATION: 2'-deoxy-2'-fluorocytidine

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/510,667

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Input Set : E:\ISIS5582.ST25.txt  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51

Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/510,667

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Input Set : E:\ISIS5582.ST25.txt

Output Set: N:\CRF4\08222005\J510667.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date